

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1–21. (Cancelled).

22. (Previously Presented) An arrangement for display with selectable three-dimensionally visible or two-dimensional modes, comprising:

an illuminating device emitting light distributed over an area;

at least one filter array arranged on the image viewing side of the illuminating device and intended to impart a structure to the light originating from the illuminating device;

at least one diffusing layer arranged on the image viewing side of the filter array;

a transmissive image display device arranged on the image viewing side of or on the illuminating device side of the diffusing layer;

wherein a distance a between the filter array and the diffusing layer is variable, such that

in a first position, in which the diffusing layer is arranged at a distance from the filter array, the structure imparted by the filter array to the light originating from the illuminating device is essentially cancelled due to the light diffusion effect of the diffusing layer, and a two-dimensional image is shown on the image display device in the full resolution provided by it;

in a second position, in which the diffusing layer is arranged in contact with, or in close proximity to the filter array, the structure imparted by the filter array to the light originating from the illuminating device is essentially not cancelled, such that the image display device shows an image that can be seen in three dimensions; and

wherein, to facilitate virtual homogeneous enlargement of the filter array or of the luminous area of the illuminating device, a mirror well is arranged surrounding the filter array, and the mirror well reflects the light of the illuminating device or that part of this light which penetrates the filter array, so that any vignetting becomes substantially invisible.

23. (Previously Presented) An arrangement as claimed in claim 22, further comprising a transmissive image display device arranged on the illuminating device side of the diffusing layer; wherein the image display device, the diffusing layer and the illuminating device are substantially immovable;

the filter array is supported by a transparent substrate; and

the transparent substrate with the filter array is movable to vary the distance a relative to the diffusing layer.

24. (Previously Presented) An arrangement as claimed in claim 22, further comprising a transmissive image display device arranged on the illuminating device side of the diffusing layer;

wherein the filter array is supported by a transparent substrate;

the transparent substrate with the filter array is substantially rigidly connected to the illuminating device; and

the transparent substrate, the filter array and the illuminating device are jointly movable to vary the distance relative to the diffusing layer and the image display device.

25. (Previously Presented) An arrangement as claimed in claim 22, further comprising a transmissive image display device arranged on the illuminating device side of the diffusing layer, wherein

the diffusing layer and the image display device are substantially rigidly connected to each other;

the filter array is supported by a transparent substrate;

the transparent substrate with the filter array is substantially rigidly connected to the illuminating device; and

the diffusing layer and the image display device are jointly movable to vary the distance a relative to the filter array, the transparent substrate and the illuminating device.

26. (Original) An arrangement as claimed in claims 23, wherein the image display device comprises an LCD panel, and the diffusing layer comprises an antiglare matte finish of the LCD panel.

27. (Previously Presented) An arrangement as claimed in claim 22, further comprising a transmissive image display device arranged on the image viewing side of the diffusing layer;

wherein the diffusing layer is supported by a transparent substrate;

the filter array is arranged on the illuminating device; and

the substrate and the diffusing layer, and the image display device are movable to vary the distance a relative to the filter array and the illuminating device.

28. (Previously Presented) An arrangement as claimed in claim 22, further comprising a transmissive image display device arranged on the image viewing side of the diffusing layer;

wherein the image display device, the diffusing layer and the illuminating device are substantially immovable;

the filter array is supported by a transparent substrate; and

the transparent substrate with the filter array is movable to vary the distance a relative to the diffusing layer.

29. (Previously Presented) An arrangement as claimed in claim 22, further comprising a transmissive image display device arranged on the image viewing side of the diffusing layer;

wherein the filter array is supported by a transparent substrate;

the transparent substrate with the filter array is substantially rigidly connected to the illuminating device; and

the transparent substrate, the filter array and the illuminating device are jointly movable to vary the distance a relative to the diffusing layer and the image display device.

30. (Original) An arrangement as claimed in claim 26, wherein the substrate comprises a glass substrate and the diffusing layer comprises a diffusing film or a sheet of grease-proof paper, laminated onto the glass substrate, or as a ground or etched surface of the glass substrate.

31. (Original) An arrangement as claimed in claim 22, wherein
- the distance a in the first position is within a range of about 10 mm to about 30 mm, and
- the distance a is, in the second position, about 0.2 mm or greater.
32. (Currently Amended) An arrangement as claimed in claim 22, characterized in that the diffusing layer is designed to be permanently light-diffusing.
33. (Original) An arrangement as claimed in claim 22, wherein the diffusing layer is controllable, so as to be diffusing in a first mode in the first position of the arrangement, and to act as a transparent medium in a second mode in the second position of the arrangement.
34. (Original) An arrangement as claimed in claim 32, further comprising a second diffusing layer, with the first diffusing layer corresponding to the antiglare matte finish of an LCD panel, and the second, controllable diffusing layer being arranged between a front polarizer and the said antiglare matte finish of the LCD panel.
35. (Original) An arrangement as claimed in claim 22, wherein the diffusing layer is segmented into selectable area segments, and wherein the first and second positions can be set independently for the selectable area segments of the diffusing layer, so that parts of the area can be switched from three-dimensionally visible to two-dimensional display and vice versa.

36. (Original) An arrangement as claimed in claim 22, wherein the filter array is an exposed or plotted, and processed photographic film, containing transparent and opaque area segments, which are arranged in a defined two-dimensional structure.

37. (Currently Amended) An arrangement as claimed in claim 22, wherein a distance z between the filter array and the image display device in the second position of the arrangement is between about zero mm and about twenty mm.

38. (Cancelled).

39. (Original) An arrangement as claimed in claim 37, wherein the mirror well comprises first-surface mirrors of high reflectance, arranged substantially normal to the filter array and surrounding the filter array.

40. (Original) An arrangement as claimed in claim 22, further comprising a stepper motor, a piezo-electric element, a solenoid or a pump for executing the movements.

41. (Original) An arrangement as claimed in claim 22, wherein the movement is executed manually.

42. (Currently Amended) An arrangement for display with selectable three-dimensionally visible or two-dimensional modes, comprising:

a light source emitting structured light;

at least one diffusing layer arranged on the image viewing side of the light source;

a transmissive image display device arranged on the image viewing side of or on the illuminating device side of the diffusing layer; and

a filter array arranged intermediate the light source and the transmissive image display device;

wherein the distance a between the light source and the diffusing layer is variable, such that;

in a first position, in which the diffusing layer is arranged at a distance from the light source, the structure imparted by the light source to the light originating from the light source is essentially cancelled due to the light diffusion effect of the diffusing layer, and a two-dimensional image is shown on the image display device in the full resolution provided by it;

in a second position, in which the diffusing layer is arranged in contact with, or in close proximity to the light source, the structure imparted by the light source is essentially not cancelled, such that the image display device shows an image that can be seen in three dimensions; and

wherein, to facilitate virtual homogeneous enlargement of the filter array or of the luminous area of the illuminating device, a mirror well is arranged surrounding the filter array, and the mirror well reflects the light of the illuminating device or that part of this light which penetrates the filter array, so that any vignetting becomes substantially invisible.